UTILITY
PATENT APPLICATION
TRANSMITTAL

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Attorney Docket No.		No.	SON-2389/DIV	•
First Inventor Mas		Masa	hiro Uehara	
Title			/STEM, PRINTING METHOD, AND MEDIUM	•
Expres	ss Mail La	bel No.		•

(Only for any and in its all and its all a	RECORDING MEDIUM
(Only for new nonprovisional applications under 37 CFR 1.53(b))	Express Mail Label No.
APPLICATION ELEMENTS	1,000,000
See MPEP chapter 600 conceming utility patent application con	ntents. ADDRESS TO:
1. X Fee Transmittal Form (e.g., PTO/SB/17)	7. CD-ROM or CD-R in duplicate, large table or
(Submit an original, and a duplicate for fee processing) Applicant claims small entity status.	Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission
See 37 CFR 1.27. 3. X Specification [Total Pages 35	(if applicable, all necessary) 5] a. Computer Readable Form (CRF)
(preferred arrangement set forth below)	b. Specification Sequence Listing on:
Descriptive title of the invention Cross Reference to Related Applications	i. CD-ROM or CD-R (2 copies); or ii. Paper
 Statement Regarding Fed sponsored R & D Reference to sequence listing, a table, 	c. Statements verifying identity of above copies
or a computer program listing appendix - Background of the Invention	ACCOMPANYING APPLICATIONS PARTS
 Brief Summary of the Invention Brief Description of the Drawings (if filed) Detailed Description 	Assignment Papers (cover sheet & document(s))
Claim(s) Abstract of the Disclosure	10. 37 CFR 3.73(b) Statement Power of Attorney
4. X Drawing(s) (35 U.S.C. 113) [Total Sheets 2	——————————————————————————————————————
5. Oath or Declaration [Total Sheets 2	2] 12. Information Disclosure Copies of IDS
a. Newly executed (original or copy)	Statement (IDS)/PTO-1449 Citations 13. X Preliminary Amendment
b. X Copy from a prior application (37 CFR 1.63(d))	14 Return Receipt Postcard (MPEP 503)
(for continuation/aivisional with Box 18 completed)	(Should be specifically itemized) 15. Certified Copy of Priority Document(s)
i. <u>DELETION OF INVENTOR(S)</u> Signed statement attached deleting inventor(s) named in the prior application,	(if foreign priority is claimed) 16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i).
see 37 CFR 1.63(d)(2) and 1.33(b).	Applicant must attach form PTO/SB/35 or its equivalent.
Application Data Shoot See 27 CER 4 76	17. Other:
6. Application Data Sheet. See 37 CFR 1.76	and supply the requisite information below and in the first sentence of the specification
following the title, or in an Application Data Sheet under 37 CFF	
	i-in-part (CIP) of prior application No.: 10/145,891
	s H. Nolan Art Unit: 2854
Box 5b, is considered a part of the disclosure of the accompany	disclosure of the prior application, from which an oath or declaration is supplied under ying continuation or divisional application and is hereby incorporated by reference.
	peen inadvertently omitted from the submitted application parts.
X Customer Number:	22353 OR Correspondence address below
	ZZ333 ON Contespondence address below
Ronald P. Kananen Rader, Fishman & Grauer PLL0	c.
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Name (Print/Type) Romald P. Kananen	Registration No. (Attorney/Agent) 24,104
Signature	Date December 16, 2003

PTO/SB/17 (05-03)
Approved for use through 04/30/2003. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

		Compl t if Known									
FEE TRANSMITTAL		Application Number To be assigned									
for FY 2003		Filing Date December 16, 2003			er 16, 2003						
Effective 01/01/2003, Patent fees are subject to annual revision.		First Named Inventor Masahiro Uehara			Uehara						
Endeavo ono neos, natera neos are subject to annual nevision.		Examiner Name Charles H. Nolan				I. Nolan					
Applicant claims small entity status. See 37 CFR 1.27		Art Unit 2854									
TOTAL AMOUNT OF PAYMENT (\$) 770.00	-			cket No	,	SON-238	9/DIV				
METHOD OF PAYMENT (check all that apply)	┍═┙		, 50								
Cradit Money						ATION (co	intinuea)				
Check Card Order Other None	3. ADDITIONAL FEES										
X Deposit Account											
Deposit 40 0042		Entity		I Entity	=						
Account Number 18-0013	Fee Code	Fee (\$)	Fee Code	Fee (\$)		Fee Desc	ription	Fee Paid			
Deposit	1051	130	2051	65	Surcharge	- late filing fe	e or oath				
Account Name					-	_	onal filing fee or cover				
The Director is hereby authorized to: (check all that apply)	1052	50	2052	25	sheet.	ale provide					
X Charge fee(s) indicated below X Credit any overpayments	1053	130	1053	130	Non-Englis	h specificatio	n				
Charge any additional fee(s) during the pendency of this	1812	2,520	1812	2,520	For filing a r	equest for exp					
арріканоп	1804	920*	1804	920*	Requesting	publication of	\vdash				
Charge fee(s) indicated below, except for the filing fee					Examiner a	iction publication o	of SIR after	\vdash			
to the above-identified deposit account.	1805	1,840*	1805	1,840*	Examiner a	ction	on Circuite.				
FEE CALCULATION	1251	110	2251	55		or reply within	<u> </u>				
1. BASIC FILING FEE Large Entity Small Entity	1252 1253	410 930	2252 2253	205 465		or reply within	<u> </u>				
Fee Fee Fee Fee Fee Description Fee Paid			2253			or reply within		\vdash			
Code (\$) Code (\$)	1254	1,450		725			n fourth month				
1001 730 2001 375 Utility filing fee	1255	1,970	2255	985		or reply within	n fifth month				
1002 330 2002 165 Design filing fee 1003 520 2003 260 Plant filing fee	1401 1402	320 320	2401 2402	160 160	Notice of A	ppear ef in support o	of an anneal				
1004 750 2004 375 Reissue filing fee	1403	280	2403	140	•	r oral hearing					
1005 160 2005 80 Provisional filing fee	1451	1,510	1451			to institute a public use proceeding					
SUBTOTAL (1) (\$) 770.00	1452	110	2452	55	Petition to r	evive – unav					
SUBTOTAL (1) (\$) 770.00	1453	1,300	2453	650	Petition to r	revive - uninte					
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1501	1,300	2501	650	Utility issue	fee (or reiss	ue)				
Extra Fee from Claims below Fee Paid	1502	470	2502	235	Design issu	ue fee					
Total Claims 2 -20 = 0 x = 0	1503	630	2503	315	Plant issue	fee					
Independent 1 -3 = 0 x = 0	1460	130	1460	130	Petitions to	the Commiss	sioner				
Multiple Dependent =	1807	50	1807	50	Processing	fee under 37	CFR 1.17(q)				
Large Entity Small Entity	1806	180	1806	180	Submission	of Information	on Disclosure Stmt				
Fee Fee Fee Code (\$) Fee Description	8021	40	8021	40		each patent a	· .				
1202 18 2202 9 Claims in excess of 20	1809	750	2809	375	Filing a sub	mission after	final rejection				
1201 84 2201 42 Independent claims in excess of 3					(37 CFR 1.	129(a)) dditional inve	ntion to be				
1203 280 2203 140 Multiple dependent claim, if not paid	1810	750	2810	375		37CFR 1.129					
1204 84 2204 42 ** Reissue independent claims over original patent	1801	750	2801		•		xamination (RCE)				
1205 18 2205 9 ** Reissue claims in excess of 20	1802	900	1802	900		r expedited e application	xamination				
and over original patent	Other fee (specify)										
SUBTOTAL (2) (\$) 0.00	*Redu	iced by B	asic F	iling Fee	Paid	SUBTO	TAL (3) (\$)				
**or number previously paid, if greater; For Reissues, see above											
SUBMITTED BY		21 22				Complete ((if applicable)				
Name (Print/Type) Ronald F. Karranen		ration No. sy/Agent)	24	,104		Telephone	(202) 955-3750				
Signature // //						Date	August 28, 200	03			
Signature // // August 28, 2003											